TEKNOVATIVE

ZERO WASTAGE, 100% CONTROL: RUNNING A SMARTER BOX PLANT

Solving daily shop-floor challenges and finding the right ERP software that actually fits your business.

https://www.teknovativesolution.com/

WHERE BOX FACTORIES LOSE MONEY EVERY DAY

Paper & Reel Mismatch

Unused partial reels and untracked paper scrap eating into profits.

Deckle & Trim Loss

Poor width planning leading to 5–12% unnecessary paper wastage.

Machine Bottlenecks

Corrugator running fast, but printing & die-cutting waiting with idle labor.

Inaccurate Job Costing

Quoting based on assumptions rather than real paper, ink, and process costs.

Software alone won't fix these if it doesn't understand corrugation.

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CORRUGATION IS UNIQUE.
GENERAL SOFTWARE DOESN'T GET IT.

GENERIC ERP

- Treats paper like simple static inventory.
- No automatic deckle matching or flute calculation.
- Complex data entry that machine operators ignore.

VS

CORRUGATED-FIT SYSTEM

- Tracks paper by Reel ID, Weight, GSM & Burst Factor (BF).
- Calculates trim loss and flute factors automatically.
- 1-click shop-floor updates for real-time progress.

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Pillar 1 – 100% Paper Reel Control

FROM GATE INWARD TO CORRUGATOR: ZERO BLIND SPOTS

01

Barcode at Inward

Scan reels with actual weight, GSM, and moisture at arrival.

02

Live Reel Issue

Issue exact sizes to the machine without guessing stock.

03

Return Reel Tracking

Log balance reel weight automatically back into inventory.

Impact:

Saves **3% to 7%** raw material cost in the first 90 days.

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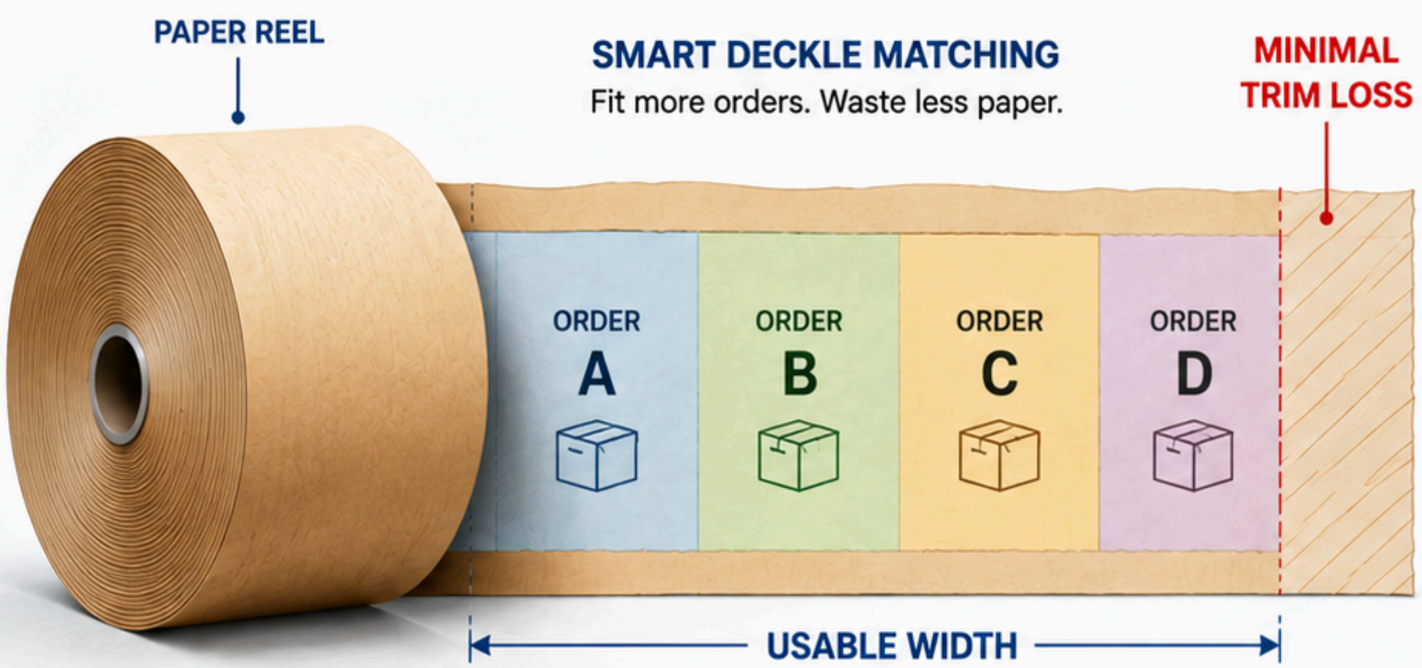
Pillar 2 – Smart Deckle & Machine Scheduling

MAXIMIZE WIDTH. MINIMIZE TRIM LOSS.



Better width utilization → Lower trim waste → Higher profitability

01 AUTOMATED DECKLE MATCHING

Combine multiple orders on the same reel width instantly.

02 LINE BALANCING

Sync corrugator output with 2-color/3-color flexo printing and die-cutting speeds.

03 LESS SETUP DOWNTIME

Group similar flute and board types to reduce roll-change delays.

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Pillar 3 – Accurate Costing & Quoting

KNOW YOUR EXACT COST PER BOX IN REAL TIME

01 DYNAMIC PAPER COST

Auto-adjusts for live reel rates and flute consumption factor.

02 CONVERSION & TOOLING

Accurate allocation of stereo/die blocks and ink costs.

03 MACHINE OVERHEAD

Real energy, glue, and labor minutes per 1,000 boxes.

04 TRANSPORT & WASTAGE

Clear margin visibility before sending the quote to the client.

STOP GUESSING MARGINS ON EXCEL. QUOTE WITH 100% CONFIDENCE.

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Pillar 4 – Dispatch & Delivery Control

COMPLETE VISIBILITY UNTIL THE BOX HITS THE CUSTOMER TRUCK

BUNDLE & PALLET BARCODING

Eliminate wrong quantity dispatches and missing bundle complaints.

LIVE PRODUCTION STATUS

Know the exact stage:

CORRUGATION → PRINTING → GLUING / STITCHING → READY FOR DISPATCH

AUTOMATED DISPATCH PAPERWORK

Instant Delivery Challans, e-Way Bills, and invoices with zero manual entry errors.

DELIVERY CHALLAN

E-WAY BILL

INVOICE

FASTER DISPATCH. FEWER ERRORS. HAPPIER CUSTOMERS.

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Checklist – What to Look for in Your ERP

5 MUST-HAVES BEFORE YOU INVEST IN ANY SOFTWARE

1. CORRUGATION-SPECIFIC LOGIC

Built-in calculation for Deckle, GSM, BF, and Bursting Strength.

2. SHOP-FLOOR SIMPLICITY

Easy touch-screen / mobile interface for factory workers.

3. REEL TRACEABILITY

Tracks full, half, and remnant paper rolls by QR/Barcode.

4. JOB-CARD AUTO GENERATION

1-click conversion from sales order to machine job card.

5. FAST IMPLEMENTATION

Ready to run in weeks, not 12 months of custom coding.

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Our Philosophy – Process First, Software Second

SOFTWARE IS JUST A TOOL. THE RIGHT STRATEGY IS WHAT WINS.

We Don’t Sell Software.

Our loyalty is 100% to your plant’s bottom line, not an IT vendor’s sales quota.

WHAT WE DO AT TEKNOVATIVE CONSULTATION:

1. DIAGNOSE PLANT BOTTLENECKS

We identify where paper, time, and money are leaking.

2. FIX THE WORKFLOW FIRST

We streamline shop-floor processes before tech adoption.

3. SELECT THE RIGHT FIT

We guide you to the ERP that matches your exact machine setup and team size.

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TEKNOVATIVE

Ready to Make Your Box Plant Faster, Leaner, and More Profitable?

Schedule a Free Plant Operations & ERP Strategy Call

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